

Amend claims: 1-8.

1. (Currently Amended) A method for gasification of a solid carboneous feed, wherein
5 said gasification is performed in an elongated gasification reactor vessel comprising:
a gasifier unit;
a co-axial positioned cooled channel through which the dust-loaded hot-gaseous product of
the gasifier unit is discharged from the reactor; and,
means to supply a quench gas to the dust-loaded hot gaseous product at a position
10 downstream of said gasifier unit, wherein to an annular space between the reactor vessel wall
and the cooled channel a dust-free gas is supplied at a rate sufficient to ensure that no dust-
loaded hot gas will flow from the cooled channel to said annular space.
2. (Currently Amended) The method of ~~Method according to~~ claim 1, wherein the
15 pressure in the annular space is equal or higher than the pressure in the cooled channel.
3. (Currently Amended) The method of ~~Method according to any one of~~ claims 1-2,
wherein the temperature of the dust-free gas is between 200 and 350 °C.
- 20 4. (Currently Amended) The method of ~~Method according to any one of~~ claims 1-3,
wherein the dust-free gas is part of the gaseous product of the gasifier unit from which dust
has been removed downstream said gasification reactor.
5. (Currently Amended) The method of ~~Method according to~~ claim 4, wherein the
25 dust-free gas is part of the quench gas.
6. (Currently Amended) The method of ~~Method according to~~ claim 5, wherein the
means to supply quench gas is provided with gas discharge openings to supply quench gas to
the cooled channel and gas discharge openings to supply quench gas to the annular space.

7. (Currently Amended) An elongated gasification reactor vessel comprising:
a gasifier unit;
a co-axial positioned cooled channel through which the dust-loaded hot-gaseous product of
the gasifier unit is discharged from the reactor; and,
means to supply a quench gas to the dust-loaded hot gaseous product at a position
downstream of said gasifier unit, wherein also means to supply a dust-free gas to an annular
space between the reactor vessel wall and the cooled channel is present.

8. (Currently Amended) The reactor of ~~Reactor according to~~ claim 7, wherein the means
to supply quench gas is provided with gas discharge openings to supply quench gas to the
cooled channel and gas discharge openings to supply quench gas to the annular space.